

dwm - dynamic window manager

dwm is a dynamic window manager made by [suckless](#) for the X11 windowing system that supports organization of windows in tiled, floating, and monocle layouts. Windows are grouped together on tags where they can be reorganized and modified.

```

brian@brianc:~$ free -h
               total        used        free      shared  buff/cache   available
Mem:           31GiB       10GiB       19GiB       0GiB       11GiB       19GiB
Swap:          2GiB          0B          2GiB          0B          0B          2GiB

brian@brianc:~$ top
top - 09:56:59
CPU: 0.0%   usr: 0.0%   sys: 0.0%   mem: 0.0%   io: 0.0%   cs: 0.0%
Tasks: 73, 300 (b) | 1 running
Load average: 0.05 0.54 0.31
uptime: 02:56:59

PID      USER     ST  PT  PRI  NI  VIRT  RES  SHR  S  CPU%  MEM%   TIME+  Command
1700     brian    20  0   216M 561M 284M 5 47.6 10.1 0:22.71 /usr/lib64/firefox/
1488     brian    20  0  420M 848M 243M 5 44.2 11.3 18:22.20 /usr/lib64/firefox/
1489     brian    20  0  420M 848M 243M 5 5.1 11.1 1:42.61 /usr/lib64/firefox/
1524     brian    20  0  420M 848M 243M 5 7.0 11.1 2:55.00 /usr/lib64/firefox/
1576     brian    20  0  420M 848M 243M 5 6.5 11.1 1:24.39 /usr/lib64/firefox/
1574     brian    20  0  420M 848M 243M 5 5.2 11.1 1:03.00 /usr/lib64/firefox/
1283     root     20  0   750M 111M 75376 5 4.5  2.8 2:17.00 /usr/libexec/krig -0
1523     brian    20  0  420M 848M 243M 5 5.6 11.1 6:28.20 /usr/lib64/firefox/

brian@brianc:~$ man patch
NAME
    patch - apply a patch file

SYNOPSIS
    patch [-pos] [-Goss] [--inaccurate-eof] [--recursive] [--cached]
          [--ignore-space-change] [--ignore-whitespace]
          [--whitespace=(warn|warn|fix|error|error-all)]
          [--include-patch] [--include-patch] [--directory-root]
          [--verbose] [--unsafe-paths] [-patch...]

DESCRIPTION
    Reads the supplied diff output (i.e. "a patch") and applies it to files.
    When reading from a subdirectory in a repository, patched paths outside
    the directory are ignored. With the --index option the patch is also
    applied to the index, and with the --cached option the patch is only
    applied to the index. Without these options, the command applies the
    patch only to files, and does not require them to be in a git repository.

    This command applies the patch but does not create a commit. Use git-
    am(1) to create commits from patches generated by git-format-patch(1)
    and/or received by email.

Manual page (1) apply(1) | line 26 (press h for help) or q to quit
  
```

minimally patched build of dwm6.2.

dwm Installation

You can install dwm from [SlackBuilds](#). Alternatively you may clone the source with `git clone https://git.suckless.org/dwm` and build via the instructions in the README text file.

dwm Dependencies

The dependencies required for building dwm version 6.2 are included in a base slackware64-current install. You may need to choose an older version of dwm if using versions of Slackware 14.2 or less.

- X11
- FreeType

Starting dwm

The SlackBuilds dwm will create a xinit script for you. If you build dwm yourself you will need to create a file named `xinitrc.dwm` in the `/etc/X11/xinit/` directory. A typical xinitrc for dwm might look as such:

```

# /etc/X11/xinit/xinitrc.dwm
# set wallpaper or resolution

# dunst & # start notification daemon
# dwmblocks & # start statusbar program
# xcompmgr -CFn & # start compositio
  
```

```
exec dwm # start dwm
```

With that in place run **xwmconfig** in your terminal to switch to your configuration file.

Configuration

dwm configuration is done through the C source code instead of a runtime configuration file. The *config.h* file contains all of the configuration options.



You will need to run **make** and **sudo make install** in your source directory after each change.

Patching

Patches(submitted user modifications that add useful features) are available directly from the suckless website: [dwm Patches](#). You can find detailed instructions on patching here: [How to Apply Patches](#). If you experience difficulty applying patches you may want to switch to the release tarball that can be found on the [dwm Homepage](#) under *Download*.

Using dwm

Using dwm is fairly simple. Try pressing `Alt+Shift+Enter` to open a terminal emulator. By default this will be set to st ([simple terminal](#)), but you can symbolically link your terminal emulator of choice to st. Now open a few more terminal windows. You should notice the tiling effect. To change focus simply hover your mouse cursor over another window or press `Alt+J/k`.

To change the *master* window in the *tiled* layout change focus to it and press `Alt+Enter`. Press `Alt+H/I` to shrink/grow the master window. To reorganize the *tiled* layout press `Alt+D/j`. Try switch between *floating* `Alt+F` and *monocle* `Alt+M` mode. Use `Alt+Left Click`(while holding) to move windows around and `Alt+Right Click`(also while holding) to resize windows.

Now switch back to tiled `Alt+T` and press `Alt+Shift+Space` on any floating windows to return them to tiled mode.

Key Shortcuts

Common

`Alt+Left Mouse Button` move clicked window

`Alt`+`Middle Mouse Button` switch clicked window between floating and tiled layout
`Alt`+`Right Mouse Button` resize clicked window
`Alt`+`Shift`+`Enter` launch st(suckless terminal)
`Alt`+`B` toggle top bar
`Alt`+`H/I` shrink or grow the master window
`Alt`+`Shift`+`C` close the currently focused window
`Alt`+`Shift`+`Q` quit dwm cleanly

Layouts

`Alt`+`T` switch to tiled mode
`Alt`+`F` switch to floating mode
`Alt`+`M` switch to monocle mode
`Alt`+`Space` switch between the two most currently used layouts
`Alt`+`Shift`+`Space` toggle focused window between tiled and floating mode
`Alt`+`Enter` set currently focused window as master
`Alt`+`I/d` shift windows through stack area in tiled mode

Tags

`Alt`+`J/k` cycle focus to different windows on the current tag
`Alt`+`1/9` change to window tags 1 through 9
`Alt`+`Shift`+`1/9` switch currently focused window to tags 1 through 9
`Ctrl`+`Shift`+`1/9` show windows on tag 1 through 9 on the currently focused tag
`Alt`+ view windows from all tags at once
`Alt`+`Tab` cycle through the most recent tags
`Right Click` when right clicked windows from a tag will be visible

Multiple Screens

`Alt`+`./,` switch focus between screens
`Alt`+`Shift`+`./,` switch window to between screens

Program Menu

[dmenu](#) is the preferred program launcher/menu for dwm. It spawns a simple, intractable search bar that you can use to search for a program installed on your system. If you also installed dmenu you can press `Alt`+`P` and type the program name or use the arrow keys then press enter. This will execute the selected program. You may also press the escape key to cancel the search. To install dmenu visit [dmenu - suckless tools](#) ←

Sources

- [dwm Webpage](#)
- [dmenu Webpage](#)
- [Browse the Source](#)
- [SlackBuilds dwm](#)
- [Great Article about Controls](#)

[howtos](#), [software](#), [dwm](#), [wm](#), [author](#) [cppimmo](#)

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Last update: **2023/06/09 20:22 (UTC)**

